COMBUSTION ... Inventor: David K. YEE

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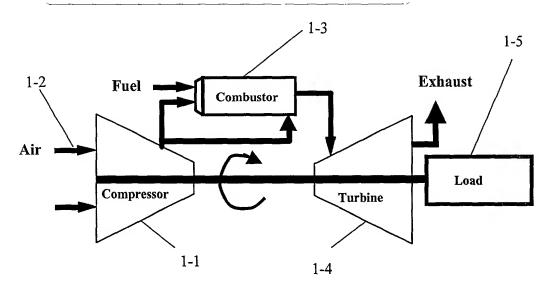


Fig 1 (PRIOR ART)

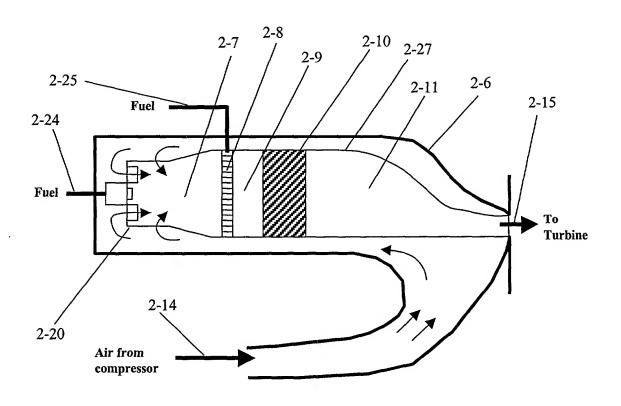
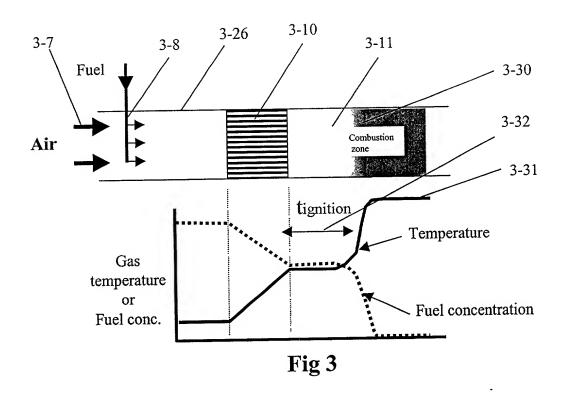
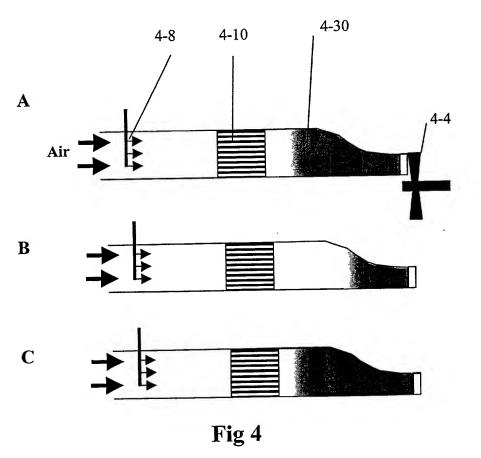


Fig 2

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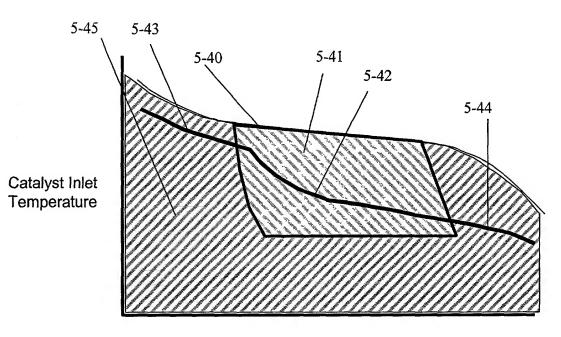




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Fuel air ratio

Fig 5A

Gas

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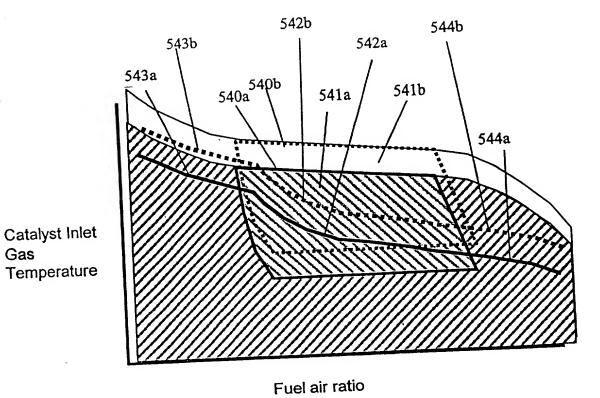


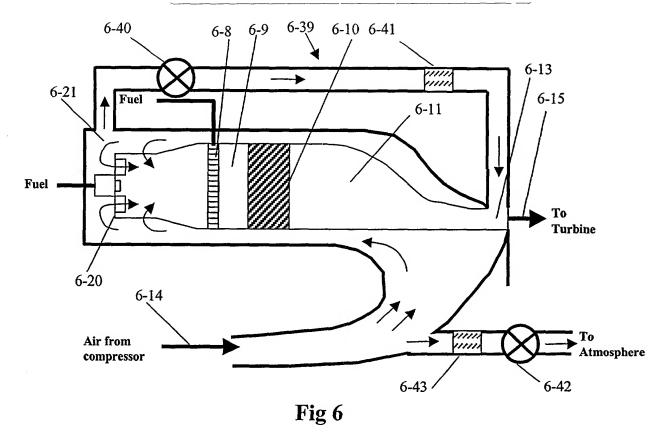
Fig 5B

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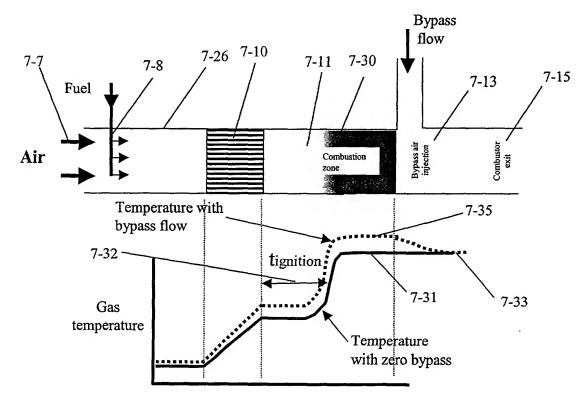


Fig 7

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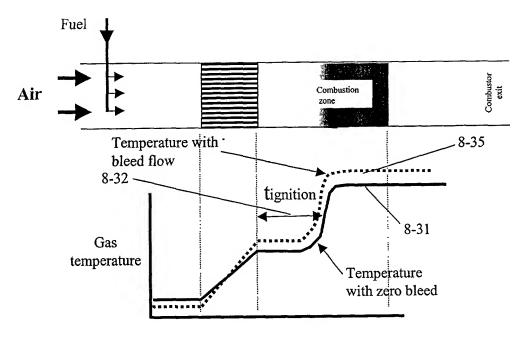


Fig 8

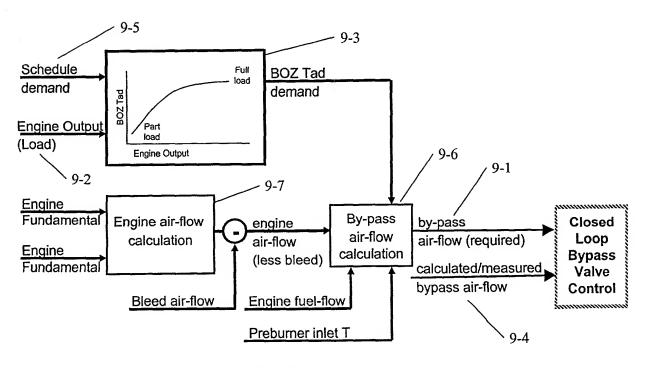


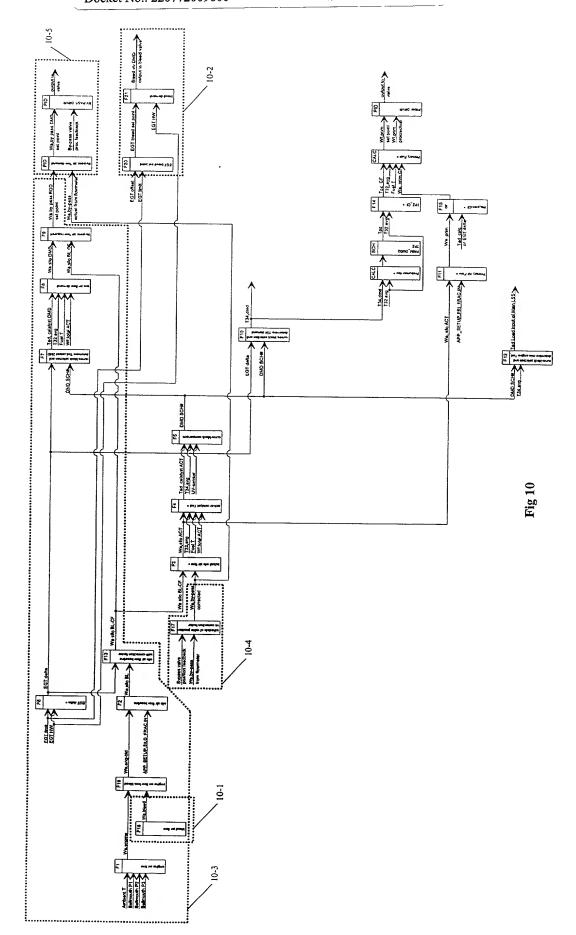
Fig 9

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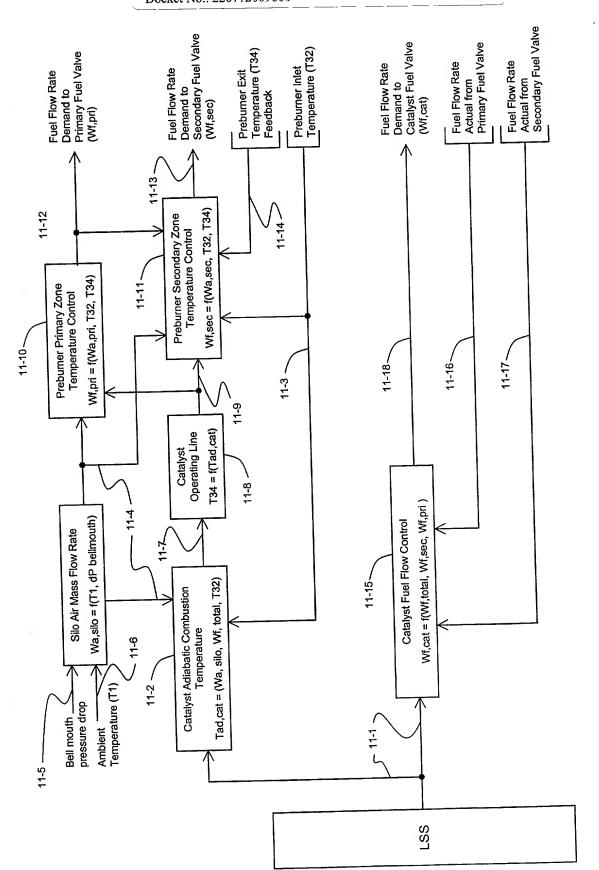


Figure 11: Basic Control with T34 vs Tad (F/A) schedule - PRIOR ART

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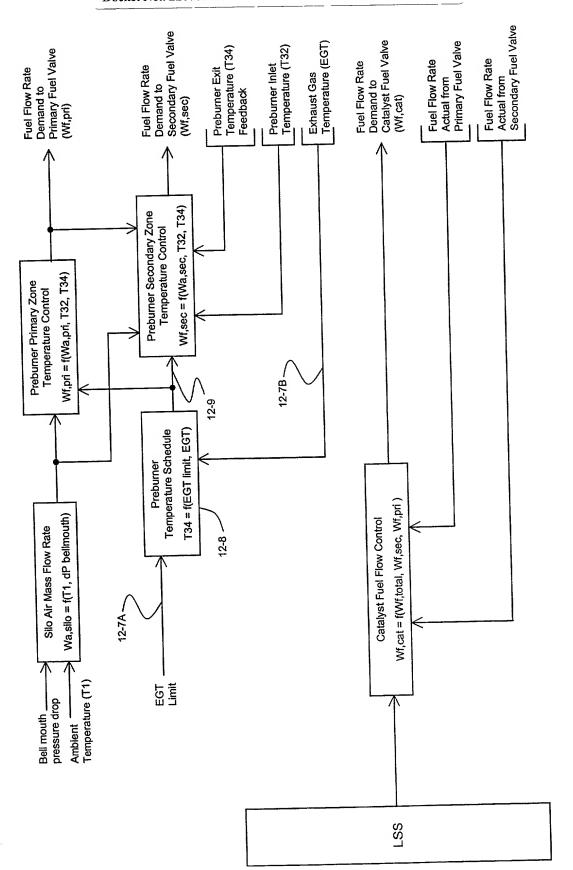


Figure 12: Basic Control with T34 vs delta EGT schedule

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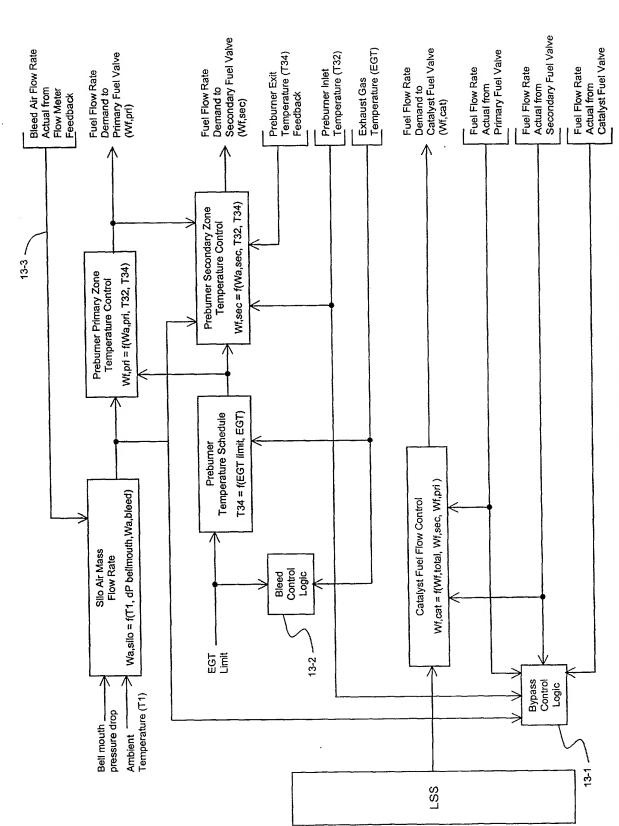
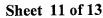


Figure 13: Control with Bypass and Bleed Valves

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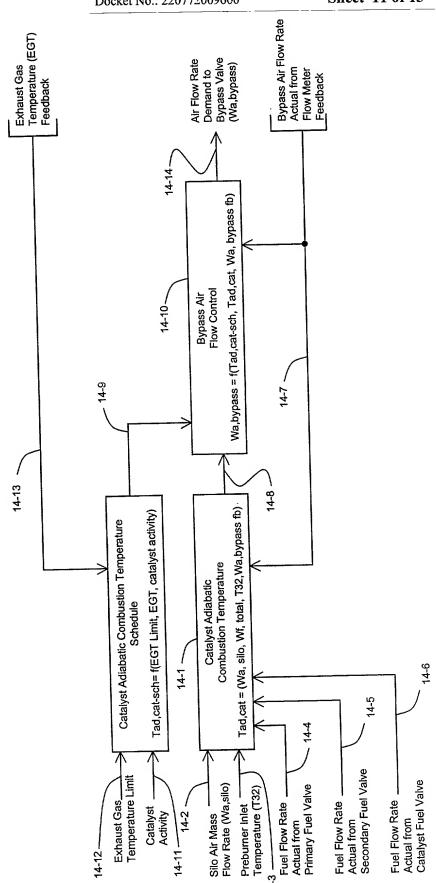


Figure 14: Bypass Control Logic Details

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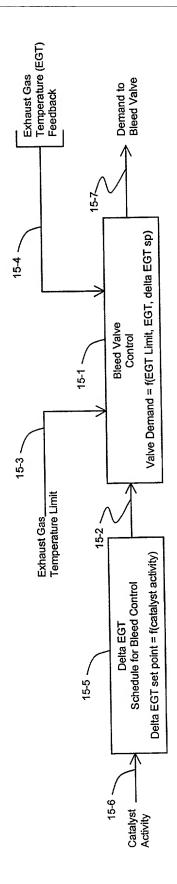


Figure 15: Bleed Control Logic Details

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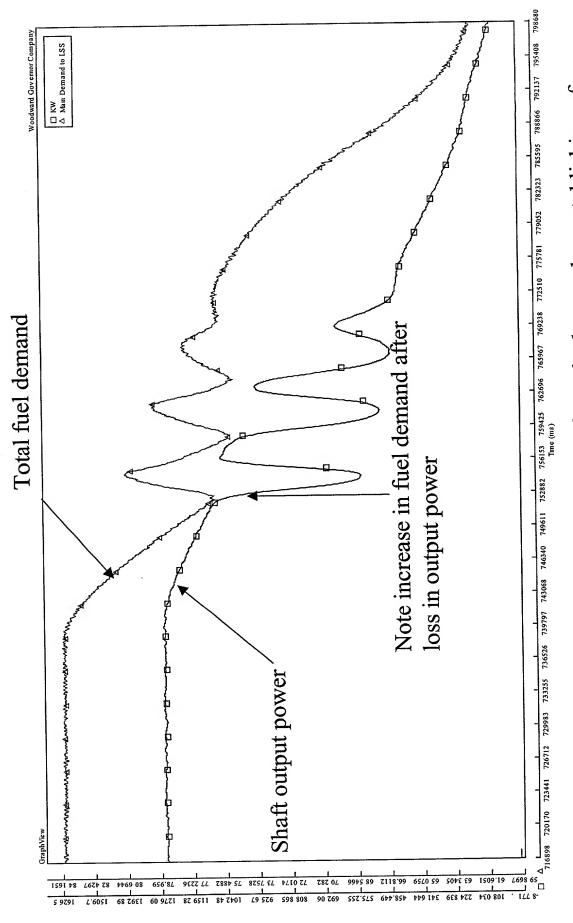


Figure 16: Output power cycles resulting from the loss and re-establishing of the homogeneous combustion process wave.